ABSTRACT OF THE DISCLOSURE

In a method and a circuit arrangement for driving laser diodes arranged in close proximity to one another in a laser recording device, video signals modulated with the information to be recorded generate driver currents for the laser diodes. The light powers output by the laser diodes drop due to crosstalk between the laser diodes. For compensation of the crosstalk, correction units are connected between first laser diodes that form crosstalk sources and second laser diodes that form crosstalk sinks. In the correction units, the driver currents of the first laser diodes are converted into correction signals according to the transfer functions of the correction units, the correction signals correcting the driver currents of the second laser diodes such that the crosstalk is compensated. For determining the transfer functions of the correction units, the time curves of the light powers in the crosstalk sinks are measured and approximately electrically simulated as transfer functions.

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